

**Lower Passaic River Study Area Draft Physical Water Column Monitoring Sampling Program Characterization
Summary for the LPRSA dated March 2014, Response to 02/26/2019 EPA Comments**

No.	Page No.	Specific Comments	Response to Comment
1	Page ES-2, First bullet, Second to last sentence	Please note the typographical error and delete the extra period and space.	The extra period and spaces have been deleted.
2	Page 1-4, Section 1.1.2, Second paragraph, First sentence	The figure number, 1-2 is incorrect. Please revise the number to read 1-1.	The figure number reference has been updated to Figure 1-1.
3	Page 2-5, Section 2.2.5.1, Second sentence	Please delete "WW" from Figure 2-1.	"WW" has been deleted from Section 2.2.5.1.
4	Page 2-6, Top of page, Second bullet	There was only one monitoring location above Dundee Dam and that was at RM 17.4 as per the QAPP, prior text in the summary document, and Figure 2-1. Please revise as appropriate.	Reference to RM18.5 has been removed.
5	Page 2-6, Section 2.2.6, Third sentence	Please note the typographical error and change 585 to read 586.	"585" has been changed to "586" in Section 2.2.6 and Section 4.3.5 (same error)
6	Page 2-8, Section 2.4.2.2, Third sentence	The tables referenced are numbered incorrectly in the text. Please revise the table numbers to 2-5 and 2-6.	The table number references have been updated.
7	Page 2-8, Section 2.5, Second paragraph, First sentence	The table referenced is numbered incorrectly in the text. Please revise the table number to 2-7.	The table number reference has been updated.
8	Section 4	On page 2-10, bullet number 6 indicates that based on analyses performed by Moffat and Nichol, 18 suspended sediment concentrations (SSC) were excluded from the regression of optical and acoustic backscattering versus SSC (these "excluded" data are identified in Table 2-8). The "excluded" data, however, are not mentioned in Section 4. (Data Usability). More significantly, Moffat and Nichol also identified long-term monitoring data (e.g. optical backscattering data at Dundee Dam) that they excluded from use because their analysis concluded that the instruments were fouled for specific periods of time. These additional excluded data should also be documented and mentioned in section 4.	<p>The exclusion of 1,120 SSC results from the analyses performed by Moffat and Nichol has been added to Section 4.1 Data Usability, with a reference to Table 2-8 which provides the full list of data.</p> <p>Appendix B provides the Spring 2010 LPRSA long-term deployment report from OSI which describes the probe fouling which occurred at most of the moorings during the months of June and July, 2010. Turbidity data were impacted by this fouling. Additional information is provided in Section A5 of the RI Report, Appendix M, Attachment A. Details provided by EPA in emails dated March 20 and March 21, 2019 have been added to Section 4.3.5 Completeness.</p>

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9	Table 3-1	<ul style="list-style-type: none"> a. In order to differentiate between events other than by the dates presented, it would be helpful if additional rows were inserted into the table to identify each sampling event. For example, Long term monitoring event 1, wet weather event 1 etc. b. Please clarify in the footnotes what the 1.2 micron represents in the column title for SSC. It is assumed that it refers to particle size. If so, it gives the impression that the SSC results are only limited to particles that are 1.2 microns in size as opposed to > or < 1.2. c. Sample ID's for location 10B-T054-P1 are listed as both "Bridge" and "Bridge St.". These should be consistent. 	<ul style="list-style-type: none"> a. Rows have been added between events. Text has been inserted between events this is consistent with Table 2-2 nomenclature. b. The table has been edited to show just "SSC mg/L" in the header. A footnote has been added to indicate that SSC is particle size > 1.2 micron. c. Unique sample IDs were assigned for each of the 4 samples collected at 10B-T054-P1 during the High Flow / Flood Event. This is consistent with the other locations sampled multiple times during this event (e.g., 10B-T104-P1 has sample IDs "Park 1", "Park 3", "Park 4", "Park 5", and "Park Ave 2". These unique sample IDs are necessary to differentiate the samples. No edits necessary.
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